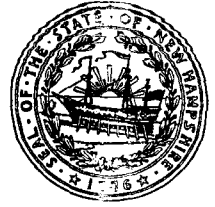


State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



July 9, 2001  
**Letter of Deficiency**  
DAM #124.19

Mr. Samuel Greene  
785 Gilmore Pond Road  
Jaffrey, NH 03452-6102

RE: Wild Life Pond Dam, Jaffrey

Dear Mr. Greene:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on May 15, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. The upstream, downstream, crest and the emergency/overflow spillway of the dam are overgrown with small trees and brush. Mr. Greene indicated that he had planned on removing the brush this year and that it would be done on a two-year cycle. It was discussed at the site visit that due to the woody growth, maintenance should be conducted on a yearly basis;
2. There was debris (beaver debris) on the upstream face of the dam and placed in small piles stacked at the top of the dam. Mr. Greene had indicated that the debris is stacked and would be burned at a later date; and
3. Along the left embankment of the emergency spillway and near the downstream embankment of the dam exists a low section which during times of high flood, as determined with our hydraulic analysis of the dam, could direct water towards the toe of the downstream embankment/abutment;
4. A deep erosion area exists, perpendicular to the flow path, spanning the width of the emergency/overflow spillway 30-40 yards downstream of the toe of the dam, just prior to re-entry into the river;
5. The last 4 feet riveted section of the cmp outlet is rotted and peeling off. Four feet upstream and within the cmp the metal appears to be in good condition and flowing well. It should be noted that at least 3 feet of intact pipe remains exposed away from the toe of the dam. Additionally, Mr. Greene had indicated that he would like to possibly slip line the existing cmp with a HDPE pipe;
6. The drop inlet has been damaged and the pond is approximately 6 inches lower than normal. It should be noted that the damage is minimal and does not diminish the safety of the dam;
7. The stoplogs to the drop inlet are leaking in several locations and appear to be deteriorated to the point of replacement;

Letter of Deficiency  
Dam #124.19  
July 9, 2001  
Pg. 2

8. There was a small leak at the connection between the drop inlet and the outlet pipe; and
9. There was no operation and maintenance plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**September 1, 2001:**

1. Remove the overgrowth of trees and brush along the upstream, downstream, crest and the emergency/overflow spillway of the dam and schedule a yearly program to maintain the dam and emergency spillway;
2. Remove the debris (beaver debris) on the upstream face of the dam and if the piles of debris are burned on the crest of the dam immediately establish a grass cover in the burn areas;
3. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel;

**November 1, 2001:**

4. Increase the height of the embankment separating the emergency/overflow spillway and the toe of the downstream embankment/abutment to within one foot of the top of the dam to eliminate the possibility of flow being directed toward the toe of the dam;
5. Place an erosion resistant material (riprap) at the end of the emergency spillway to reduce/eliminate continual erosion;

**August 1, 2002:**

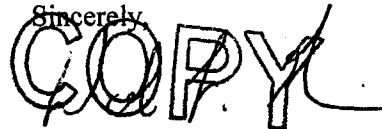
6. Repair the deteriorated section of steel pipe or possibly slip line the existing pipe;
7. Replace the deteriorated existing stoplogs;
8. When the impoundment has been drawn down for the replacement of the stoplogs evaluate the condition of the drop inlet for repair or possible replacement; and
9. Investigate and repair the leak between the drop inlet and the outlet pipe.

Letter of Deficiency  
Dam #124.19  
July 9, 2001  
Pg. 3

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,  
A large, stylized handwritten signature in black ink, appearing to read 'COPY' with a flourish extending from the end.

Dale F. Guinn  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13  
cc: Gretchen Rule  
Town of Jaffrey  
Certified # 7099 3400 0002 9773 0666  
DFG/was/h:/safety/wendy/lod/124-19lod.doc